FEBS Letters 580 (2006) 6518

Corrigendum

Corrigendum to "Improved gating of a chimeric α7-5HT$_{3A}$ receptor upon mutations at the M2–M3 extracellular loop" [FEBS Lett. 580 (2006) 256–260]

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Available online 30 October 2006

The sequence of the M2–M3 linker in the V201 serotonin–acetylcholine receptor chimaera used in the paper was based on the 1992 originally submitted sequence of the mouse serotonin receptor precursor (UniProtKB/Swiss-Prot entry P23979). A more recent sequence of this receptor (published in 2002, UniProtKB/TrEMBL entry Q8K1F4) differs precisely in the region that we explored in the paper. The boxed region in Fig. 1C for V201 should read *A I G T* instead of *I G T* – . Therefore, we repeated the experiments considering the correct sequence. Introducing an aspartate residue at each of the four positions produced the results shown in the accompanying table. These results confirm the previous ones. Interestingly, the largest improvement in function for V201 takes place when the D is inserted at the same location that it has in the α7 receptor, i.e. the mutant I265D.

Table 1
Current amplitude, level of expression, and efficiency of the V201 mutants

Mutant	Peak current (μA) ACh 1 mM	[^{125}I]-α-Bgt binding (fmol/oocyte)	Ratio: Current/α-Bgt binding μA/(fmol/oocyte)[a]
A264D	1.08 ± 0.15	26.8 ± 4.8	0.040 ± 0.013 (24, 3)
I265D	3.08 ± 0.40	28.6 ± 5.7	0.108 ± 0.035 (21, 3)
G266D	0.73 ± 0.17	24.2 ± 4.9	0.030 ± 0.013 (15, 2)
T267D	0.04 ± 0.01	4.1 ± 0.1	0.010 ± 0.003 (8, 2)

[a]Numbers in parentheses in this column indicate (number of oocytes, number of different donors). The ratio for the original V201 receptor was 0.033 ± 0.008 (47, 7).

Acknowledgements: These experiments were made with the support of the Ministry of Education and Science of Spain and FEDER (SAF2005-0534). We thank Dr. Sarah Lummis (University of Cambridge) for indicating us the sequence mistake.

DOI of original article: 10.1016/j.febslet.2005.12.010

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doi:10.1016/j.febslet.2006.10.045